

Program Requirements Document	<b>SCAFFOLDING</b>	Identifier: PRD-2004 Revision: 2 Page: 1 of 6
Subcontractors		
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Manual: Subcontractor Requirements

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## 1. PURPOSE

This document provides requirements for the use of scaffolding by INEEL subcontractors to ensure worker safety. This document highlights requirements referenced in the “Source Documents” of this document, as well as BBWI requirements. Any applicable regulatory or BBWI requirements shall be followed, with the most stringent requirement being met.

## 2. APPLICABILITY

This document applies to all subcontractors working at the INEEL who erect, alter, work upon, move, or dismantle scaffolds, as specified in their contract with BBWI. Stricter requirements may be imposed by subcontractors upon their employees or subtier contractors. The requirements of this document shall be followed by subcontractors, however, the means of implementation may vary as determined by the subcontractor.

## 3. REQUIREMENTS

### 3.1 General Requirements

- 3.1.1 A competent person shall supervise the erection, alteration, moving, or dismantling of scaffolding.
- 3.1.2 Scaffolding shall be constructed in conformance with the requirements of this document and 29 CFR 1926, subpart L, except as exempted in 3.1.3, below.
- 3.1.3 For situations when scaffolding identified in 29 CFR 1926, subpart L, cannot be used, the scaffolding shall be designed by a registered professional engineer.
- 3.1.4 A competent person shall determine the feasibility and safety of providing fall protection for employees erecting or dismantling supported scaffolds. Fall protection for employees erecting and dismantling supported scaffold will be provided where the installation and use of fall protection is feasible and does not create a greater hazard.
- 3.1.5 Each employee who performs work while on a scaffold shall be trained by a competent person qualified to recognize the hazards associated with the type of scaffold being used. The training shall include the following areas, as applicable:

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3.1.5.1 The nature of any electrical hazards, fall hazards and falling object hazards in the work.

3.1.5.2 The correct procedures for dealing with electrical hazards and for erecting, maintaining, and disassembling the fall protection systems and falling object protection systems being used.

3.1.5.3 The proper use of the scaffold and the proper handling of materials on the scaffold.

3.1.5.4 The maximum intended load and the load-carrying capacities of the scaffolds used.

3.1.6 Retraining is required in at least the following situations:

3.1.6.1 Where changes at the work site present a hazard about which an employee has not been previously trained.

3.1.6.2 Where changes in the types of scaffolds, fall protection, falling object protection, or other equipment present a hazard about which an employee has not been previously trained.

3.1.6.3 Where inadequacies in an affected employee's work involving scaffolds indicate that the employee has not retained the requisite proficiency.

### **3.2 Preparation for Scaffold Operations**

3.2.1 A work control document, such as a safe work permit or JSA, shall be used under the following circumstances:

A. for erecting, moving, altering, or dismantling scaffolding

B. when scaffolding deficiencies, identified on the scaffold tag, must be mitigated as described in section 3.5.2 in order to be safe for employees use.

3.2.2 Before scaffolding is designed or erected, the work area shall be analyzed to identify existing hazards (overhead lines, elevated temperatures, structural stability, soil condition, etc.) that could affect personnel as they erect, alter, move, or dismantle, or work on scaffolding.

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3.2.3 Hazards that are thus identified shall be mitigated, when possible, as follows:

3.2.3.1 Power sources shall be locked out and tagged out if appropriate.

3.2.3.2 Barricades and signs shall be used as appropriate.

3.2.3.3 Appropriate competent personnel, safety professionals, or facility personnel shall be consulted as necessary.

3.2.3.4 Scaffolding shall be selected as appropriate to reduce hazards identified during the analysis.

### 3.3 Scaffold Inspections

3.3.1 A competent person shall inspect scaffolding in accordance with the requirements of 29 CFR 1926, Subpart L, before each work shift, when the scaffold is to be used, and before work resumes after the scaffold has been altered or moved. The inspection shall be documented on a Scaffold Inspection Tag that is attached to the scaffolding.

**NOTE:** *Manually propelled mobile scaffolds do not need to be re-inspected after each movement.*

3.3.2 Scaffold acceptance tags (see Appendix A) shall be used and shall be marked by a competent person as follows:

A. **ACCEPTED**—Scaffolding satisfies applicable requirements from 29 CFR 1926, Subpart L, and manufacturer's requirements, and is safe for employee use.

B. **ACCEPTED WITH CONDITIONS**—Scaffolding has deficiencies that must be mitigated as described in 3.5.2 in order to be safe for employee use.

C. **NOT ACCEPTED**—Scaffolding does not satisfy applicable 29 CFR 1926, Sub-part L, or manufacturer's requirements, and is unsafe for employee use.

3.3.3 Scaffold acceptance tags shall be legible, shall list any deficiencies, shall list any special instructions or limitations, and shall be signed and dated daily prior to work on scaffold.

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3.3.4 The completed scaffold acceptance tags shall be attached at all access points.

3.3.5 Scaffold acceptance tags shall be removed from scaffolding during alteration, movement (except manually propelled scaffolds), or dismantling. New tags shall be completed and attached that says "DO NOT USE".

3.3.6 Employees shall inspect scaffold components, as applicable, during erecting, altering, moving, or dismantling.

3.3.6.1 Check for structural integrity including nicks, indications that welding arc has been struck, rust, cracks in weld zones and tubing, and hazards that would prevent their use.

3.3.6.2 If defective components are found, danger tags shall be used to indicate the equipment is defective and must be repaired or disposed of.

### 3.4 Erecting, Altering, Moving, or Dismantling Scaffolding

3.4.1 Scaffolding shall not obstruct aisles, exits, and exit access for a facility, unless an outage request is obtained.

**NOTE:** *Outage requests may be required in other situations, such as working on or near elevated power lines. If in doubt, the BBWI POC should be contacted.*

3.4.2 Structural members (I-beams, roof truss members) to be used in scaffolding shall be inspected and approved by a competent person; assistance from the BBWI POC shall be obtained as necessary.

3.4.3 Appropriate signs and barricades shall be used when erecting, moving, altering, and dismantling a scaffold.

3.4.3.1 The barricaded area shall be large enough to encompass the entire work area and provide an adequate safety buffer to other employees.

### 3.5 Working From Erected Scaffolding

3.5.1 Scaffolding shall not be used until a scaffold acceptance tag has been attached (scaffolding without an acceptance tag is considered incomplete and under construction).

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- 3.5.2 Scaffolding with an ACCEPTED tag indicating deficiencies **shall not be used unless**; specific work practices and precautions are identified on a work control document.
- 3.5.3 Debris shall not be allowed to accumulate in the work area or on scaffold platforms.
- 3.5.4 **Employees shall comply with all** restrictions and precautions identified in work control documents and procedures.
- 3.5.5 The following components shall not be climbed upon for accessing the scaffold platform or other elevated work area:
  - A. scaffold framing, unless it is an integral, prefabricated scaffold access frame
  - B. bracing members
  - C. guardrails.
- 3.5.6 **Employees** shall not stand or sit on guardrails.
- 3.5.7 Scaffold framing, bracing, or guardrails shall not be used to secure rigging equipment (chain or wire rope hoists, block-and-tackle, etc.) for hoisting.
- 3.5.8 Scaffold components shall be stored as follows:
  - A. away from hazardous atmospheres
  - B. in a manner that will not cause added stress and fatigue to the components
  - C. in accordance with the manufacturer's instructions
  - D. in a manner that does not create a hazard to personnel placing or removing the components from storage
- 3.5.9 Employees shall be prohibited from working on scaffolds covered with snow, ice, or other slippery material except as necessary for the removal of such material.
- 3.5.10 Work on or from scaffolds is prohibited during storms or high winds unless a competent person has determined that it is safe for employees to

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be on the scaffold and those employees are protected by a personal fall arrest system or wind screens. Wind screens shall not be used unless the scaffold is secured against the anticipated wind forces that could be imposed.

#### **4. DEFINITIONS**

None

#### **5. REFERENCES**

##### **5.1 Source Documents**

29 CFR 1910.28, Safety Requirements for Scaffolding

29 CFR 1910.29, Manually Propelled Mobile Ladder Stands and Scaffolds (Towers)

29 CFR 1926, Subpart L, Scaffolds

##### **5.2 Related Requirements**

The following documents may also contain requirements that apply to this activity:

PRD-1007, Construction Work Coordination and Hazard Control

PRD-2002, Fall Protection

PRD-2012, Lockout and Tagout

PRD-2022, Safety Signs, Color Codes, and Barricades

#### **6. APPENDICES**

Appendix A, Sample Scaffold Acceptance Tag

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## APPENDIX A

### Sample Scaffold Acceptance Tag

SCAFFOLD ACCEPTANCE TAG		
ACCEPTED / NOT ACCEPTED		
Complete Platform	Sound, Level Flooring	
Guardrails	Barricaded	
Toeboards	Framing Complete	
Access Ladder		
Comments:		
Signature:		
Date:		